

Appl. No. 09/997,580
Amdt. dated October 24, 2003
Preliminary Amendment

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method for suppressing or reducing in mammals the physiological effects caused by a drug comprising:
administering to a mammal, prior to the administration of the drug, a drug-conjugated immunogen which consists of the drug conjugated to a carrier molecule; and
inducing in the recipient the production of anti-drug antibodies
wherein said drug is ~~selected from the group consisting of cocaine, cocaine derivatives, nicotine and~~ an anti-neoplastic compound[[s]].

Claims 2-3 (canceled)

Claim 4 (currently amended) A method of claim 1, wherein the carrier molecule is selected from the group consisting of albumin, a polysaccharide and a lipopolysaccharide.

Claim 5 (original) The method of claim 4, wherein the polysaccharide is mannan.

Claim 6 (currently amended) The method of claim 1, wherein the carrier molecule is selected from the group consisting of components of: diphtheria, tetanus, pertussis, poliovirus, rubella, mumps, measles, hepatitis, haemophilus, Diphtheria, Tetanus, Pertussis, poliovirus, Rubella, Mumps, Measles, Hepatitis, Haemophilus, smallpox, and varicella-zoster vaccines, or components thereof.

Claims 7-8 (canceled)

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Claim 9 (currently amended) A method for reducing the toxicity of a drug in mammals comprising:
administering to a mammal, prior to the administration of the drug, a drug-conjugated immunogen which consists of the drug conjugated to a carrier molecule; and
inducing in the recipient the production of anti-drug antibodies wherein said drug is ~~selected from the group consisting of cocaine, a cocaine derivative and~~ an anti-neoplastic compound[[s]].

Claims 10-11 (canceled)

Claim 12 (original) The method of claim 9, wherein the conjugate is administered to the subject by injection, inhalation or orally.

Claim 13 (original) The method of claim 12, wherein the conjugate is administered by subcutaneous injection.

Claim 14 (currently amended) The method of claim 9, wherein the carrier molecule is selected from the group consisting of components of: diphtheria, tetanus, pertussis, poliovirus, rubella, mumps, measles, hepatitis, haemophilus, Diphtheria, Tetanus, Pertussis, poliovirus, Rubella, Mumps, Measles, Hepatitis, Haemophilus, smallpox, and varicella-zoster vaccines, or components thereof.

Claim 15 (currently amended) The method of claim 14, wherein the carrier molecule is ~~either mannan or~~ Salmonella typhosa lipopolysaccharide.

Claims 16-20 (canceled)